IN THE CLAIMS

1. - 31. (Canceled).

32. (Newly Amended) A method for geographically locating a mobile terminal within a wireless CDMA communication system having base stations with fixed locations, the method comprising:

transmitting from a plurality of base stations a first spread spectrum signal having an associated code;

receiving of the first spread spectrum signals at the mobile terminal;

for each received first spread spectrum signal, transmitting a second spread spectrum signal having an associated code time synchronized with that received first spread spectrum signal from the mobile terminal, wherein the synchronizing of the associated code with that received first spread spectrum signal is by despreading that received first spread spectrum signal using the first spread spectrum signal associated code, processing that despread received first spread spectrum signal by a delay lock loop, and adjusting a timing of the first spread spectrum signal associated code used for despreading and a clock pulse in response to the delay lock loop, and adjusting a timing of the associated code of the second spread spectrum signal in response to the adjusted timing of the clock pulse and first spread spectrum signal associated code;

Xup/

receiving the second spread spectrum signals at the plurality of base stations; determining a distance delay between each base station and the mobile terminal based on in part a received timing of the second signals, wherein the determining a delay between each base station and the mobile terminal is by despreading that received second spread spectrum signal using the second spread spectrum signal associated code, processing that despread received second spread spectrum signal by a delay lock loop, and adjusting a timing of the second spread spectrum signal associated code used for despreading in response to the delay lock loop, and comparing a timing of the time adjusted second spread spectrum signal associated code and the first spread spectrum signal associated code; and

determining the mobile terminal's geographic location based on in part the determined delays between the mobile terminals and each base station distance determinations and the base stations' fixed locations.

- 33 (Previously Added) The method of claim 32 wherein the determining of the mobile terminal's geographic location is performed at the mobile terminal.
- 34. (Previously Added) The method of claim 32 wherein the base stations are time synchronized with each other.

- 35. (Newly Amended) The method of claim 33 further comprising each base station transmits the determined delay between the mobile terminal and that base station distance determination to the mobile terminal.
- 36. (Newly Amended) The method of claim 35 further comprising the mobile terminal receiving the transmitted determined delays distance determinations.
- 37. (Newly Amended) A mobile terminal for use in a wireless CDMA communication system having a plurality of base stations, each base station transmitting a first spread spectrum signal having an associated code, the mobile terminal comprising:

means for receiving the first spread spectrum signals at the mobile terminal; means for each received first spread spectrum signal, transmitting a second spread spectrum signal having an associated code time synchronized with that received first spread spectrum signal, whereby enabling each base station to make a delay determination of a distance between the mobile terminal and that base station, wherein the synchronizing of the associated code with that received first spread spectrum signal is by despreading that received first spread spectrum signal using the first spread spectrum signal associated code, processing that despread

received first spread spectrum signal by a delay lock loop, and adjusting a timing of the first spread spectrum signal associated code used for despreading and a clock pulse in response to the delay lock loop, and adjusting a timing of the associated code of the second spread spectrum signal in response to the adjusted timing of the clock pulse and first spread spectrum signal associated code;

means for receiving the distance delay determination from each base station; and

means for determining the mobile terminal's geographic location based on in part the distance delay determinations and the base stations' fixed locations.

- 38. (Previously Added) The mobile terminal of claim 37 wherein the first and second spread spectrum signals are pilot signals.
- 39. (Newly Amended) A wireless CDMA system for geographically locating a mobile terminal, the system comprising:

a plurality of base stations with fixed locations, each base station comprising:

means for transmitting a first spread spectrum signal having an associated code;

means for receiving a second spread spectrum signal having an associated code;

means for determining a <u>delay</u> between the mobile terminal and that base station based on in part a received timing of the received second signal; and means for transmitting the <u>delay</u> determination to the mobile terminal; and

the mobile terminal comprising:

means for receiving the first spread spectrum signals at the mobile terminal;

means for each received first spread spectrum signal, transmitting the second spread spectrum signal having its associated code time synchronized with that received first spread spectrum signal, wherein the synchronizing of the associated code with that received first spread spectrum signal is by despreading that received first spread spectrum signal using the first spread spectrum signal associated code, processing that despread received first spread spectrum signal by a delay lock loop, and adjusting a timing of the first spread spectrum signal associated code used for despreading and a clock pulse in response to the delay lock loop, and adjusting a timing of the associated code of the second spread spectrum signal in response to the adjusted timing of the clock pulse and first spread spectrum signal associated code;

means for receiving the distance delay determination from each base station; and

means for determining the mobile terminal's geographic location based on in part the distance delay determinations and the base stations' fixed locations.

40. (Previously Added) The system of claim 39 wherein the base stations are time synchronized with each other.